

<110> Hanuman-Thappa, Krishna Prasad
Prabhakar, Savita
Mishra, Anjaki
Sivaswami, Tyagi.Jaya

<120> THE CHARACTERIZATION OF HUPB GENE ENCODING HISTONE LIKE PROTEIN OF
MYCOBACTERIUM TUBERCULOSIS

<130> 4544-051936

<140> US 10/540,086

<141> 2005-06-20

<150> PCT/IN2003/000302

<151> 2003-09-09

<150> IN1274/DEL/2002

<151> 2002-12-18

<160> 10

<170> MicrosoftWord 2003

<210> 1

<211> 24

<212> DNA

<213> Mycobacteria-N

<220>

<400> 1

ggaggggttg gatgaacaaa gcag

24

<210> 2

<211> 25

<212> DNA

<213> Mycobacteria-S

<220>

<400> 2

gtatccgtgt gtcttgacct atttg .

25

<210> 3

<211> 20

<212> DNA

<213> Mycobacteria-M

<220>

<400> 3

gcagccaaga aggtagcgaa

20

<210> 4
<211> 18
<212> DNA
<213> Mycobacteria-F

<220>

<400> 4

ccaagaaggc gacaaagg

18

<210> 5
<211> 18
<212> DNA
<213> Mycobacteria-R

<220>

<400> 5

gacagctttc ttggcggg

18

<210> 6
<211> 645
<212> DNA
<213> hupB-M. tuberculosis, Rv2986c, Accession No. P95109

<220>

<400> 6

atgaacaaag	cagagctcat	tgacgtgctc	acacagaaat	tgggctcgga	ccgtcggcag	60
gcgaccgccg	ccgtcgagaa	tgctgttgac	acgattgtgc	gtgcggtaca	caaaggcgac	120
agcgtcacca	ttaccgggtt	cggtgtgttc	gaacagcgtc	gccgcgcggc	tcgagtggcc	180
cgcaatccgc	gtaccggcga	gacagtaaag	gtgaagccga	cgtcggtgcc	ggcgttccgc	240
ccgggcgcgc	aattcaaagc	ggttgtgtct	ggcgcgcagc	gtctcccggc	agaaggaccc	300
gctgttaagc	gtggtgtggg	ggccagtgca	gccaagaagg	tagcgaagaa	ggcacctgcc	360
aagaaggcga	caaaggccgc	caagaaggcg	gcgaccaagg	cgcccgccag	gaaggcggcg	420
accaaggcgc	ccgccaagaa	agcggcgacc	aaggcgcccg	ccaagaaagc	tgtcaaggcc	480
acgaagtcac	ccgccaagaa	ggtgaccaag	gcggtgaaga	agaccgcggt	caaggcatcg	540
gtgcgtaagg	cggcgaccaa	ggcgccggca	aagaaggcag	cggccaagcg	gccggctacc	600
aaggctcccg	ccaagaaggc	aaccgctcgg	cggggtcgca	aatag		645

<210> 7
<211> 618
<212> DNA
<213> Hlp of Mycobacterium bovis, Accession No. Y18421
<220>

<400> 7

atgaacaaag	cagagctcat	tgacgtgctc	acacagaaat	tgggctcgga	ccgtcggcag	60
gcgaccgccg	ccgtcgagaa	tgctgttgac	acgattgtgc	gtgcggtaca	caaaggcgac	120
agcgtcacca	ttaccgggtt	cggtgtgttc	gaacagcgtc	gccgcgcggc	tcgagtggcc	180
cgcaatccgc	gtaccggcga	gacagtaaag	gtgaagccga	cgtcggtgcc	ggcgttccgc	240
ccgggcgcgc	aattcaaagc	ggttgtgtct	ggcgcgcagc	gtctcccggc	agaaggaccc	300
gctgttaagc	gtggtgtggg	ggccagtgca	gccaagaagg	tagcgaagaa	ggcacctgcc	360

aagaaggcga	caaaggccgc	caagaaggcg	gcgaccaagg	cgcccgccaa	gaaagcggcg	420
accaaggcgc	ccgccaagaa	agctgtcaag	gccacgaagt	caccgcgcaa	gaaggtgacc	480
aaggcgggtga	agaagaccgc	ggtcaaggca	tcggtgcgta	aggcggcgac	caaggcgccg	540
gcaaagaagg	cagcggccaa	gcggccggct	accaaggctc	ccgccaagaa	ggcaaccgct	600
cggcggggtc	gcaaatag					618

<210> 8
 <211> 16
 <212> PRT
 <213> Mycobacteria

<220>

<400> 8

Val	Lys	Pro	Thr	Ser	Val	Pro	Ala	Phe	Arg	Pro	Gly	Ala	Glu	Phe	Lys
1				5					10					15	

<210> 9
 <211> 22
 <212> DNA
 <213> Mycobacteria

<220>

<400> 9

gtgagcgacg	ggatttcct	at	22
------------	-----------	----	----

<210> 10
 <211> 21
 <212> DNA
 <213> Mycobacteria

<220>

<400> 10

accacccaaa	accggtcga	t	21
------------	-----------	---	----